

Summary of Connectivity Margin in ISTS Substations

(all fig. in MW, as on 31-10-2023)

Sl. No.	Status of RE Pooling Stations	Potential (MW)	Connectivity granted/agreed (MW)	Connectivity under process (MW)	Available Connectivity Margins (MW)	Additional Margin for Connectivity requiring new Augmentation / Tr. System
Southern Region						
A	Existing RE Pooling Stations	7050	6920	350	55	200
B	Jul'23 - Dec'23 (Commissioning)	6000	5756	0	382	0
C	Jan'24 - Jun'24 (Commissioning)	0	0	0	0	0
D	Jul'24 - Jun'25 (Commissioning)	10500	1320	1000	4280	4500
	By Jun'25	23550	13996	1350	4717	4700
E	Jul'25 to Dec'25 (Commissioning)	37500	9578	2150	21847	27424
Sub-Total (SR)		61050	23574	3500	26564	32124
Western Region						
A	Existing RE Pooling Stations	8450	9038	892	404	1371
B	Jul'23 - Dec'23 (Commissioning)	2500	2315	0	0	0
C	Jan'24 - Jun'24 (Commissioning)	5250	3226	500	1518	500
D	Jul'24 - Jun'25 (Commissioning)	15700	13800	0	1900	0
	By Jun'25	31900	28379	1392	3822	1871
E	Jul'25 to Dec'25 (Commissioning)	23000	12500	134	10468	6500
Subtotal (WR)		54900	40879	1525	14290	8371
Northern Region						
A	Existing RE Pooling Stations	17980	19910	0	1500	0
B	Jul'23 - Dec'23 (Commissioning)	8900	6765	0	675	0
C	Jan'24 - Jun'24 (Commissioning)	0	0	0	0	0
D	Jul'24 - Jun'25 (Commissioning)	18600	12772	3185	1690	1100
	By Jun'25	45480	39447	3185	3865	1100
E	Jul'25 to Dec'25 (Commissioning)	4000	4017	0	0	0
F	Beyond Dec'25 (Commissioning)	15000	7080	4150	0	3750
Sub-Total (NR)		72980	50544	7335	3865	4850
North Eastern Region						
A	Jul'25 to Dec'25 (Commissioning)	1000	1000	0	0	1500
Sub-Total (NER)		1000	1000	0	0	1500
Total (All India)		189930	115998	12360	44720	46845
A	Existing RE Pooling Stations	33480	35868	1242	1959	1571
B	Jul'23 - Dec'23 (Commissioning)	17400	14836	0	1057	0
C	Jan'24 - Jun'24 (Commissioning)	5250	3226	500	1518	500
D	Jul'24 - Jun'25 (Commissioning)	44800	27892	4185	7870	5600
	By Jun'25	100930	81822	5927	12404	7671
E	Jul'25 to Dec'25 (Commissioning)	89000	34175	6434	32316	39174
F	Beyond Dec'25 (Commissioning)	15000	7080	4150	0	3750
Addl. Margins available on ISTS (Existing)		-	-	-	32311	

Note:

- Although the above Pooling Stations for RE Connectivity are expected by Jun'25, the onward evacuation system from the pooling stations for some portion of power is likely to be delayed beyond Jun'25 due to various reasons such as GIB, land/corridor issues, ROW etc. However, a majority of this power may be evacuated within 3-6 months (beyond Jun'25). Till then, such power may be evacuated under short term with SPS arrangements.
- Further, transmission system for evacuation of 13GW* renewable generations in Ladakh is already taken up for implementation. However, connectivity applications in Ladakh are awaited. For achievement of 500GW Target, balance transmission system for 108* GW (WR: 11 GW, SR: 53 GW, NR: 44 GW) has also been planned and is being taken-up in phases for commissioning by 2029.
- The margins indicated may vary depending on network topology, Load-Generation balance, etc. For any clarification/information, CTU may be contacted.

* Potential includes planned BESS capacity